

Title (en)  
ATTACHMENT MONITORING SYSTEM

Title (de)  
BEFESTIGUNGSÜBERWACHUNGSSYSTEM

Title (fr)  
SYSTÈME DE SURVEILLANCE DE FIXATION

Publication  
**EP 3239409 B1 20210915 (EN)**

Application  
**EP 17168151 A 20170426**

Priority  
• JP 2016090326 A 20160428  
• JP 2016235620 A 20161205

Abstract (en)  
[origin: EP3239409A1] An attachment monitoring system (1) according to an embodiment includes a working machine (10; 10A), attachments (15; 15A), a measurement unit (16; 16A; 16B; 16C), a terminal device (17), and a server device (20). The working machine (10; 10A) includes a working arm. Each of the attachments (15; 15A) is attached to a leading end part of the working arm so as to be driven by a fluid pressure. The measurement unit (16; 16A; 16B; 16C) is provided to measure at least one of a vibration and the fluid pressure when each of the attachments (15; 15A) identified on the basis of individual identifying information is driven. The terminal device (17) is provided in the working machine (10; 10A) to acquire measured results of the measurement unit (16; 16A; 16B; 16C). The server device (20) collects the measured results of the respective attachments (15; 15A) from the terminal device (17), and analyzes operation states of the respective attachments (15; 15A) on the basis of the collected measured results.

IPC 8 full level  
**E02F 3/96** (2006.01); **E02F 9/20** (2006.01); **E02F 9/26** (2006.01)

CPC (source: CN EP US)  
**E02F 3/32** (2013.01 - US); **E02F 3/966** (2013.01 - EP US); **E02F 5/305** (2013.01 - CN); **E02F 9/2025** (2013.01 - CN); **E02F 9/2054** (2013.01 - EP US); **E02F 9/2221** (2013.01 - US); **E02F 9/264** (2013.01 - US); **E02F 9/267** (2013.01 - EP US); **G01H 1/00** (2013.01 - US); **G01L 19/06** (2013.01 - US); **G01M 13/00** (2013.01 - EP US); **E02F 9/0883** (2013.01 - US); **E02F 9/163** (2013.01 - US); **E02F 9/2271** (2013.01 - US); **E02F 9/2296** (2013.01 - US); **E02F 9/26** (2013.01 - US)

Cited by  
EP3480373A1; US10662622B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3239409 A1 20171101**; **EP 3239409 B1 20210915**; CN 107338826 A 20171110; US 10620036 B2 20200414; US 2017314987 A1 20171102

DOCDB simple family (application)  
**EP 17168151 A 20170426**; CN 201710286096 A 20170425; US 201715497888 A 20170426